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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/760,176	01/16/2004	Reiko Wachi	9319S-000617	8086

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HARNESS, DICKEY & PIERCE, P.L.C.
P.O. BOX 828
BLOOMFIELD HILLS, MI 48303

EXAMINER

LOKE, STEVEN HO YIN

ART UNIT	PAPER NUMBER
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2811

DATE MAILED: 01/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/760,176	Applicant(s) WACHI, REIKO	
	Examiner Steven Loke	Art Unit 2811	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 October 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,3,5,10 and 11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,3, 5,10 and 11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

1. Claims 1, 3, 5 and 11 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1, line 6, the phrase "a peripheral region outboard of the display region" is unclear as to what is "outboard" meant. Is the peripheral region formed outside the display region?

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1, 10 and 11 insofar, as in compliance with 35 USC 112, are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Okamoto et al. (U.S. Patent no. 6,563,554).

In regards to claim 1, Okamoto et al. show all the elements of the claimed invention in fig. 1. It is an electro-optical device [100], comprising: a pair of substrates [4, 5]; an electro-optical material [1] held between the pair of substrates by a sealant (the structures that connected to the edges of substrates [4, 5], col. 14, line 66 to col. 15, line 4); a resin layer [11] (column 18, lines 62-64, column 44, line 9) (it is believed that the same reference numeral represents the same material in the entire specification of Okamoto et al.) provided on at least one substrate [5] of the pair of substrates in both a

Art Unit: 2811

display region [9a] and a peripheral region [10a] outboard (outside) of the display region [9a], the resin layer including tapers (the taper formed at the edge of region [10a] and the taper formed between regions [10a, 9a]) with a larger inclination in the display region [9a] than in the peripheral region [10a]; and an electrode wiring [7] formed between the electro-optical material [1] and the resin layer [11] at both the display region [9a] and the peripheral region [10a].

In regards to claim 10, Okamoto et al. show all the elements of the claimed invention in fig. 1. It is an electro-optical device [100], comprising: a substrate [5]; a resin layer [11] (column 18, lines 62-64, column 44, line 9) (it is believed that the same reference numeral represents the same material in the entire specification of Okamoto et al.) provided on the substrate, and an electrode [7] that continuously extends across the resin layer [11] (the electrode [7] continuously extends across the resin layer [11] from an edge of region [9a] to an edge of region [10a]); wherein tapers of the resin layer (the taper formed at the edge of region [10a] and the taper formed between regions [10a, 9a]) have a plurality of different angles.

In regards to claim 11, Okamoto et al. further disclose an electronic apparatus (col. 1, lines 10-17) comprising the electro-optical device according to Claim 1.

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Art Unit: 2811

5. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Okamoto et al.

In regards to claim 5, Okamoto et al. differ from the claimed invention by not showing the taper of the display region has a first angle with a base to height ratio from 4:1 to 2:1, and the taper in the peripheral region of the display region has a second angle with a base to height ratio from 8:1 to 4:1.

It would have been obvious to one having ordinary skill in the art at the time the invention was made for the taper of the display region has a first angle with a base to height ratio from 4:1 to 2:1, and the taper in the peripheral region of the display region has a second angle with a base to height ratio from 8:1 to 4:1, since it has been held that where the general conditions of a claim are disclosed in the prior art, discovering the optimum or workable ranges involves only routine skill in the art. In re Aller, 105 USPQ 233.

6. Applicant's arguments filed 10/31/05 have been fully considered but they are not persuasive.

It is urged, in pages 6 and 7 of the remarks, that the Okamoto et al. reference fails to disclose or suggest a resin layer provided on at least one substrate of a pair of substrates in both a display region and a peripheral region outboard of the display region, the resin layer including tapers with a larger inclination in the display region than in the peripheral region and an electrode wiring formed between the electro-optical material and the resin layer, as set forth in amended Claim 1. However, the Okamoto et al. reference does disclose a resin layer [11] (column 18, lines 62-64, column 44, line 9)

Art Unit: 2811

(it is believed that the same reference numeral represents the same material in the entire specification of Okamoto et al.) provided on at least one substrate [5] of the pair of substrates in both a display region [9a] and a peripheral region [10a] outboard of the display region [9a], the resin layer including tapers (the taper formed at the edge of region [10a] and the taper formed between regions [10a, 9a]) with a larger inclination in the display region than in the peripheral region; and an electrode wiring [7] formed between the electro-optical material [1] and the resin layer [11] at both the display region [9a] and the peripheral region [10a].

It is urged, in page 7 of the remarks, that the Okamoto et al. reference fails to disclose or suggest an electro-optical device comprising an electrode that continuously extends across a resin layer, as recited in amended Claim 10. However, Okamoto et al. does disclose an electrode [7] that continuously extends across the resin layer [11] (the electrode [7] continuously extends across the resin layer [11] from an edge of region [9a] to an edge of region [10a]).

It is urged, in page 8 of the remarks, that claim 5 is also not anticipated or rendered obvious by the cited art at least for the reasons set forth above with respect to Claim 1. Since claim 1 is still rejected by the Okamoto et al. reference, claim 5 is still rendered obvious by the Okamoto et al. reference.

7. Claim 3 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph in claim 1, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

8. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

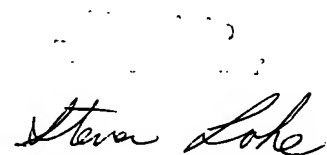
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven Loke whose telephone number is (571) 272-1657. The examiner can normally be reached on 8:00 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Lee can be reached on (571) 272-1732. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2811

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

sl
January 6, 2006

A handwritten signature in black ink, appearing to read "Steven Loh". The signature is written in a cursive style with a large, stylized "S" and "L".